4-BUTTON
AUTOMATIC / MANUAL TRANSMISSION
REMOTE STARTER

CT-3371

User Guide

WARNING !

It is the responsibility of the vehicle operator to ensure that their vehicle is parked in a safe and responsible manner.

1. a) Manual transmission: When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in the NEUTRAL position and the parking brake is engaged in order to avoid accidents upon remote starting.
   b) Automatic transmission: When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in "Park" in order to avoid accidents upon remote starting.
   (Note: Make sure that the automatic vehicle cannot start in "Drive".)
2. It is the user's responsibility to ensure that the remote starter is disabled or put into valet mode before servicing.

INDUSTRY CANADA USER NOTICE:
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Table of Contents

Introduction 3

Using the Remote Control 3

Vehicle Presets 3
- Heater 3
- Windshield Wipers, Radio & Headlights 4

Remote-Starting Your Vehicle 4
- Setting Your Vehicle Into Ready Mode 4
- Remote-starting 5
- Driving Off 5

Arming and disarming the starter kill 5

Remote Starter Features 6
- Remote Door Locks 6
- Remote Trunk Release 6
- Idle Mode 6
- Valet Mode 7
- Panic Mode 7
- Quick Lockout™ 7
- Cold Weather Mode 8
- Disable/Enable LED flashing 8
- Constant output 8

Advanced Features: Installation-programmable Options 9
- Ignition-controlled Door Locks 9
- Secure Lock 9
- Engine Run Time 9
- Turbo Mode 9
- AUX 1 10
- Multi-Car Operation 10

Poor Transmitting Range Issues 10

Diagnostics – Parking Light Flash Table 11

PROSTART LIMITED LIFETIME WARRANTY 12

Introduction

This is a state-of-the-art remote car starter system. The system is packed with advanced features such as priority access to the driver's door (commodity features), the Safe Start children safety feature and SmartStart™.
SmartStart™ is a groundbreaking technology that enables your remote starter features to be accessed by your smartphone. Features include keyless entry, trunk release, panic, remote start/stop toggle and alarm notifications[1]. Note: SmartStart™ must be professionally installed. For more information, see your nearest authorised Directed Canada dealer.
With many advanced functions, this product will satisfy any one of your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

Using the Remote Control

Your Remote Car Starter is equipped with a 4-button multi-channel remote control. It can operate two independent vehicles equipped with the same Remote Car Starter (see Multi-Car Operation section (page-10), later in this Guide, for second-car transmitter functions).

The functions of the transmitter are as follows:

LOCK: Locks the doors and arms the STARTER KILL.

UNLOCK: Unlocks the doors and disarms the STARTER KILL.

TRUNK: Opens the TRUNK or activates AUX 3 output.

START/STOP: Remote starts or stops the engine. Cold Weather Mode ON if the button is pressed for 3 seconds.

Vehicle Presets

Heater

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, should not be left on HIGH. It is recommended to leave the settings on LOW or MEDIUM instead.

[1] Certain conditions apply. See your authorised Directed Canada dealer.

Windshield Wipers, Radio & Headlights

Certain vehicles require the radio and / or windshield wipers and / or headlights circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wipers and headlights switches are OFF. Leaving the headlights switch ON on certain types of vehicles could cause them to remain ON even after remote starter shutdown, resulting in a dead battery.

Remote-Starting Your Vehicle

Setting Your Vehicle Into Ready Mode

If your vehicle has a manual transmission you must read the following indications. The unit must first be set to Ready Mode in order to start the vehicle by remote. If the unit is not set to Ready Mode, it cannot remote start the vehicle. Please note that Ready Mode can be enabled by the remote or the handbrake, depending on the option that was selected by your installer. Therefore, you must follow the appropriate procedure between the two described below in order to set your vehicle into Ready Mode.

Once the system is set to Ready Mode, the vehicle can be remote started and stopped at any time. The system will exit Ready Mode if a door, the hood or the trunk is opened, if the brake pedal is pressed, if the parking brake is disengaged or if the ignition key is turned to the IGNITION ON (RUN) position.

To set the system to Ready Mode:

If Ready Mode is enabled by remote	If Ready Mode is enabled by handbrake
1. Ensure that all the doors, hood and trunk are closed. Make sure that the gear selector is in the neutral position.	
2. With the engine already running, apply the parking brake once and release the brake pedal.	2. With the engine already running, apply the parking brake twice within 10sec. Make sure to release the brake pedal. The parking lights will flash 3 times quickly and remain lit. Skip to step 4.
3. Within 20 sec. of engaging the parking brake, press and hold , or on the transmitter. The parking lights will flash 3 times quickly and remain lit.	-
4. Remove the key: the engine will continue running.	
5. Exit the vehicle and close all doors, hood and trunk.	
6. Press for approx. 1 second either: • to lock the doors and shut down the engine; • to unlock the doors and shut down the engine; • to shut down the engine without affecting the doors.	
7. The parking lights will flash twice to confirm ready mode activation.	

Remote-starting

Press the button for approximately 1 second. The parking lights will turn ON to inform you that the Remote Car Starter has received your signal. Approximately 5 seconds later, the engine will start. The parking lights will remain ON during the pre-programmed run time of the engine.

If your vehicle has an automatic transmission and it does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again. There will be 3 start attempts before the system gives up.

Driving Off

With the vehicle running under remote control, press the button to disarm the starter kill (if installed) and unlock the doors. Enter the vehicle and do the following:

1. Turn the ignition key to the IGNITION ON (RUN) position. (Do not turn the key to the CRANK position while the engine is running. This would cause the starter motor to re-engage.)
2. Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

Arming and disarming the starter kill

This added security feature will prevent the vehicle from starting with the Ignition key when the starter kill is armed. If the system was installed with the starter kill option, you will not be able to start the vehicle with the key unless the system has been unlocked first or put into Valet Mode (page-7)

Note: If the Starter Kill is installed, the vehicle will benefit from a protection against starter motor damage that could occur after remote-starting the engine should the user, by force of habit, turn the ignition key to the CRANK position.

The Starter Kill (if installed) can be configured by the installer either to Passive Mode (so as to arm automatically) or Active Mode (so as to require the user's intervention for arming). By default, the Remote Car Starter is configured to Passive Mode.

Passive mode:

- To arm the Starter Kill, press the button on the transmitter, OR
- In Passive Mode, the Starter Kill will also arm automatically 1 minute (by default) or 3 minutes (if configured this way) after the ignition is turned OFF or once the last door is closed (if the doors are monitored).
  -The LED on the antenna will remain OFF during the countdown preceding the activation of the Starter Kill.
  - Once the activation countdown expires, the LED will flash slowly to indicate that the Starter Kill is now armed.
- To disarm the Starter Kill, press the button on the transmitter.
  - The Starter Kill will automatically rearm itself after 1 minute (by default) or 3 minutes (if configured this way) if no door is left opened (if the doors are monitored) and the ignition is not turned ON.

Active Mode:

- To arm the Starter Kill, press the button on the transmitter.

- The parking lights will flash once.
- The LED on the antenna will flash slowly.

- To disarm the Starter Kill, press the button on the transmitter.
  - The parking lights will flash twice.
  - The LED on the antenna will remain OFF.

Remote Starter Features

Remote Door Locks

If your system was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry.

To lock your doors and arm the starter kill (if installed):

1. Press and hold the button for approx. 1 sec.
2. The parking lights will flash once to confirm that the doors have been locked

To unlock your doors and disarm the starter kill (if installed):

1. Press and hold the button for approx. 1 sec.
2. The parking lights will flash twice to confirm that the doors have been unlocked.

Remote Trunk Release

If your system was installed with the Remote Trunk Release option, you can open your trunk by pressing the button for 3 seconds on the remote transmitter.

Idle Mode

Convenience feature: Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running.

If your vehicle has an automatic transmission, proceed as follows to set the system to Idle Mode:

1. With the engine running, make sure to release the brake pedal and press the , or button on the transmitter until the parking lights come ON.
2. Remove the ignition key from the ignition switch.
   The engine will continue running.
3. Exit the vehicle and close all doors, hood and trunk.
4. Press the , button to leave the doors locked and the starter kill armed.

If your vehicle has a manual transmission, Idle Mode can be activated through the same routine as that used for Ready Mode (page-4); at the last step, the button is pressed instead of the other buttons.

Note1: The engine will continue running until the user re-enters the vehicle or until the expiration of the engine run time.

Note2: If the pre-programmed run-time expires or if the user shuts down the engine by remote control, the vehicle will enter Ready Mode.

Caution!!! Do not leave children or pets unattended in a vehicle standing in Idle Mode.

Valet Mode

When the vehicle is in Valet Mode, the remote starter functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote-started accidentally.

The following feature will put your remote car starter into Valet Mode:

Ignition Valet: This feature allows you to put your system into Valet Mode by using the ignition key.

To put the system into Valet Mode

To put the system into Valet mode using the KEY (Ignition Valet Mode):

1. Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the IGNITION/RUN and OFF positions.
2. The parking lights will flash 3 times.
3. Turn the ignition OFF.
4. The LED on the antenna will come ON solid to indicate that the vehicle has successfully entered Valet mode.

To put the system out of Valet Mode

To put the system out of Valet mode using the KEY (Ignition Valet Mode):

1. Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the IGNITION/RUN and OFF positions.
2. The parking lights will flash twice.
3. Turn the ignition OFF.
4. The LED on the antenna will be OFF.

The system will warn you if someone attempts to remote start the vehicle while in Valet Mode:
The parking lights will:

Turn ON then OFF; then

Flash twice.

Panic Mode

Note: Panic mode can only be activated if the horn has been adequately configured by the installer.

In an emergency situation, you can activate panic mode by pressing and holding the or button for more than 3 seconds, until the horn starts honking. If the vehicle is under a remote start, the engine will shutdown automatically before setting off the horn. You can stop the horn by pressing:

(this will lock your doors and deactivate panic mode), or

(this will unlock your doors and deactivate panic mode).

Furthermore, the panic mode can be stopped by activating Valet Mode (see previous section)

* Panic Mode will automatically shut down after 30 sec.

Quick Lockout™

(Also called Secure Panic.) For fast protection in emergency situations, the system will LOCK all doors when you press the brake pedal while you hear the sound signal. (Quick Lockout is only available when panic mode has been set off.)

Cold Weather Mode

If the vehicle has a manual transmission, Ready mode (page-4) should be set before entering Cold Weather mode. When Cold Weather Mode is active, the engine starts every 2 hours and runs for 3 minutes (or for 8 or 20 minutes with diesel engines). Cold Weather Mode automatically ends after 24 hours (or 12 starts).

To enter Cold Weather Mode:

- Press and hold the button for at least 3 seconds
- The parking lights will flash for 2 seconds, pause, then flash three (3) times.

To exit Cold Weather Mode, do any one of the following actions:

- Open the hood.
- Start the engine by remote.
- Turn the ignition key to the IGNITION ON (RUN) position.
- Press and hold the button until the parking lights come ON for 2 seconds, pause, then flash once.

To verify whether the system is in Cold Weather Mode (automatic transmissions only):
Press the brake pedal:
If the vehicle is in cold weather mode, the parking lights will remain ON while the brake pedal is pressed.

Disable/Enable LED flashing

To disable the LED: Press and simultaneously until the parking lights flash three times.

To Enable the LED: Press and simultaneously until the parking lights flash once.

Constant output

- Pressing and holding the button for more than 3 seconds will lock all doors and will send a constant pulse as long as the button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling up the windows – Please refer to your installer to see if your vehicle is compatible with this option.
- Pressing and holding the button for more than 3 seconds will unlock all doors and will send a constant pulse as long as the button is held down (maximum of 15 seconds). This constant pulse can be configured to activate certain functionalities such as rolling down the windows – Please refer to your installer to see if your vehicle is compatible with this option.

Advanced Features: Installation-programmable Options

The Remote Car Starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

Caution: The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your Remote Car Starter. Please note that the following programmable options may require additional parts and labor.

Ignition-controlled Door Locks

This is an added security feature. If your Remote Car Starter was installed with the Ignition-Controlled Door Locks option, the doors will automatically lock as soon as the ignition key is turned to the IGNITION ON (RUN) position while the brakes are pressed. The remote car starter will also lock any door that was unlocked and opened (then closed) the next time the brake pedal is pressed. When the key is turned to the OFF position, the doors will automatically be unlocked.

Secure Lock

(Disabled by default.) Before your vehicle can be remote-started, the factory security system must first be disarmed. The Secure Lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.
To keep your vehicle protected when the factory security system is disarmed for a remote start, Secure Lock will relock your doors as soon as the vehicle is started. Once the engine is shut down by remote or after its runtime has expired, Secure Lock will also rearm your factory security system and relock the doors.

Engine Run Time

If you have a gas engine, your system can be programmed to run the engine for 3, 15, or 25 minutes (15 min default). If you have a diesel engine, it can be programmed to run the engine for 8, 20, or 30 minutes (20 min default).

Turbo Mode

If Turbo Mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine.

If your vehicle has an automatic transmission, proceed as follows to set the system to Turbo Mode:

1. With the engine running, make sure to release the brake pedal and press the , or button on the transmitter until the parking lights come ON.
2. Remove the ignition key from the ignition switch.
   The engine will continue running.
3. Exit the vehicle and close all doors, hood and trunk.
4. Press the button; this will lock the doors and confirm that the vehicle is in Turbo Mode.
5. The engine will shut down after 60 seconds.

If your vehicle has a manual transmission, follow all steps of the Ready Mode routine (page-4) to activate Turbo Mode. At the last step,

- Press to lock the doors and have the engine shut down after 60 seconds; The parking lights will flash 3 times and remain lit.
- Press to unlock the doors and have the engine shut down after 60 seconds; The parking lights will flash 3 times and remain lit.
- Press to shut down the engine without affecting the doors.

Note: The vehicle will enter Ready Mode once the engine run time expires.

AUX 1

Note: This 500 mA negative Aux 1 output can be used for many different applications

Priority door:

This great feature allows the user to unlock solely the driver's door with a single press of the button on the transmitter, and to unlock the other doors, if desired, by pressing the button for a second time.

The output will provide a 1-second negative output when the button is pressed a second time on the transmitter.

Horn Confirmation:

AUX 1 can be programmed to trigger the horn every time the button is pressed, or when the button is pressed twice within 3 seconds. When horn confirmation is activated, panic mode is enabled. If horn confirmation is disabled, panic mode will not be available.

Multi-Car Operation

If this option is configured by the installer, it allows the owner of two vehicles, both equipped with identical systems, to control both systems with only one remote transmitter. To control the second vehicle, simultaneously press the button and the button of the function you wish to use:

- Press TRUNK + LOCK: ..... LOCK
- Press TRUNK + UNLOCK: ..... UNLOCK
- Press TRUNK + START/STOP: ..... START
- Press TRUNK + START/STOP:..... STOP
- Press TRUNK + START/STOP for 3 sec:..... COLD WEATHER MODE

Poor Transmitting Range Issues

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers…)
- Metal: any type of metal will affect operating range. This includes the metal in the car.
- The shape of the vehicle can affect range as well; vans in general have an especially poor range.
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on – standing in front of the

vehicle – generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.

- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height.
- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.
- Windows and windshields tinted with lead or metallic tints will decrease the operating range.

Diagnostics – Parking Light Flash Table

Parking lights flashes	Description
1	• Doors locked. • Trunk released. • Start signal received from the remote. • Runtime has expired
2 slow	• Shutdown by remote
2 fast	• Doors unlocked • Valet mode is deactivated
3 fast	• Valet mode activated.
4 fast	• Shutdown by brake • A remote start was attempted while the brake pedal is engaged.
10 fast	• Shutdown by hood • A remote start was attempted while the hood is open.
ON ➔ twice	• Cold weather mode deactivated
ON ➔ 3 times	• Cold weather mode activated.
Solid ON	• Engine is running under remote start.
Flash for 30 sec.	• Panic mode is triggered.

PROSTART LIMITED LIFETIME WARRANTY

REMOTE STARTERS:
As the manufacturer, DIRECTED ELECTRONICS, CANADA INC. ("Directed") warrants to the original consumer purchaser only (non-transferable) that the remote starter module (control box) shall be free from defects in materials and workmanship for as long as the original consumer purchaser continuously owns the vehicle in which the remote starter was originally installed, as specified below:

1) For the first year after the date of purchase, as specified by the date on the original proof of purchase, Directed will replace the remote starter module free of charge with a new remote starter module. Consumers shall provide a copy of the proof of purchase at the point of purchase for the exchange to take place. The remainder of the coverage period of the original warranty will apply to the new module.
2) For the second year after the date of purchase, as specified by date on the original proof of purchase, Directed will replace the remote starter module free of charge with a repaired or refurbished remote starter module. All product returns to Directed for warranty service require a Return Merchandise Authorization (RMA). This RMA must be issued prior to returning product to Directed. Products returned without this RMA number will be refused & returned to you at your expense. Consumers shall send the module (only) and a copy of the proof of purchase, freight prepaid, along with their name, address and telephone number, to the PROSTART SERVICE CENTER for the exchange to take place. MODULES RETURNED TO THE POINT OF PURCHASE AFTER THE ONE-YEAR REPLACEMENT PERIOD WILL NOT BE ACCEPTED. A module will be returned to the consumer, freight collect, within 4 weeks of receipt of the module. The remainder of the coverage period of the original warranty will apply to the exchanged module. Directed will not be held responsible for modules sent without a proof of purchase. Directed will not be held responsible for modules lost or damaged while in transit.
3) For the third year and any consecutive year after the date of purchase, as specified by the date on the original proof of purchase, Directed will provide to the original consumer purchaser a repaired or refurbished remote starter module, for a repair and shipping/handling charge of $45.00 plus applicable taxes, a cheque or money order made payable to DIRECTED ELECTRONICS, CANADA INC must accompany the remote starter module. A module will be returned to the consumer, freight prepaid, within 4 weeks of receipt of the module. Directed will not be held responsible for modules sent without a cheque or money order and/or proof of purchase. The consumer should follow the same procedure as in (2), and all conditions apply as in (2).

ACCESSORIES:
Directed warrants to the original consumer purchaser only (non-transferable) that it will replace any Directed accessory part for a one-year period from date of purchase. Accessories will only be replaced if proven defective in material or workmanship, and if, when the accessory is returned to the point of purchase, the retailer is provided with a copy of the proof of purchase.

THE WARRANTY IS VOID IF:

1) The product has been damaged, altered in any way or tampered with, without the explicit written consent of a Directed technician. For remote starter modules, this includes the opening or removal of the plastic covering of the module, or the removal or alteration of the barcode label on the plastic covering of the module.
2) The product is damaged due to accident, fire, flood, shipping and handling, misuse, neglect, or other conditions beyond the control of Directed.
3) The product has been installed or repaired by anyone other than a certified technician.
4) The product has been improperly installed or used.

THE WARRANTY DOES NOT COVER:

1) Batteries.
2) Scratched or worn transmitter cases.
3) Installation and/or removal charges for all remote starter modules and accessories.
4) Shipping and handling charges incurred for product exchange or replacement.
5) Any material damages other than to the product itself.
6) Harnessing, LED lights, switches, inverters, relays, etc.

THIS LIMITED LIFETIME WARRANTY SHALL CONSTITUTE THE SOLE LIABILITY OF DIRECTED FOR OUR PRODUCTS, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO ASSUME FOR AUTOSTART ANY OTHER LIABILITY WITH RESPECT TO THE SALE OR USE OF OUR PRODUCTS. DIRECTED'S LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT FOR DAMAGE IS THE BASIS OF THE CLAIM. UNDER NO CIRCUMSTANCE WILL AUTOSTART, ITS DISTRIBUTORS OR THEIR AGENTS BEAR ANY LIABILITY WHATSOEVER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The parties hereto elect that any dispute regarding the present document be submitted to the appropriate Court located in the Province of Quebec, District of Montreal. The parties hereto agree that this document is governed by and interpreted in accordance with the law of Quebec. If the purchaser is located in a province of Canada other than Quebec, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the law of Ontario. If the purchaser is located outside Canada, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the United Nations Convention on Contracts for the International Sale of Goods (the "Vienna Convention").

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